

MATERIAL SAFETY DATA SHEET

REVISION OF: 05/13/04

SHIP TO:

ORDER NO:

ATTN: P.A./HAZARDOUS MAT'L MANAGER

UN ID NO: UN1057 Lighters (Cigarettes/Utility)

Item No.

Item UPC Number

Utility Lighter – 1 pk

070257601329

Utility Lighter – 2 pk

070257601336

FROM: SCRIPTO TOKAI CORP. 11600 Millennium Court, Rancho Cucamonga, CA 91730
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EMERGENCY ASSISTANCE

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL CHEMTREC
(800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT SCRIPTO TOKAI CORPORATION (800) 241-8552

PRODUCT IDENTIFICATION

PRODUCT NAME: Cigarette Lighters, Utility Lighters CAS NO: 75-28-5 (Isobutane)

PROPER SHIPPING NAME: Lighters

COMMON NAMES/SYNONYMS:

I.D. #: UN1057

2-Methyl Propane
Trimethyl Methane
LPG

HAZARD RATING (NFPA 704 CRITERIA)

DATE ISSUED: 03/26/2001

HEALTH: 1

SUPERSEDES: 05/15/1999

FIRE: 4

HAZARD RATING SCALE:

REACTIVITY: 0

0=MINIMAL 3=SERIOUS

SPECIAL: N/A

1=SLIGHT 4=SEVERE

2=MODERATE

HAZARDOUS INGREDIENTS

EXPOSURE LIMITS: PPM

OSHA ACGIH OTHER

PEL TLV LIMIT

COMPONENT	CAS NO.	%	
Isobutane	75-28-5	97%	1000
N-Butane	106-97-8	2%	(800 TWA)

PHYSICAL PROPERTIES

BOILING POINT, DEG F:

11° F (-12° C)

AUTO IGNITION TEMP:

AP860° F (460° C)

SPECIFIC GRAVITY (WATER=1):

0.56

APPEARANCE AND ODOR:

Colorless liquid or invisible vapor with a faint, unpleasant odor (gasoline-like)

EVAPORATION RATE BUTYL ACETATE=1):

Immediate

VAPOR PRESSURE, MM HG/20 DEG C:

72 PSI

VAPOR DENSITY (AIR=1):

2

WATER SOLUBILITY,%:

Slight

FIRST AID MEASURES

IF INHALED:

Immediately remove from contaminated area to fresh air. For respiratory distress, give air, oxygen, and/or administer cardiopulmonary resuscitation. Patients should be kept quiet and warm until medical care is obtained.

IN CASE OF EYE CONTACT:

Rinse immediately with water. Remove contact lenses. Then flush eyes with water for 10-15 minutes. If irritation or discomfort persists, call for medical attention.

IN CASE OF SKIN CONTACT:

Frozen tissues should be flooded or soaked with warm water (105° -115° F.). Do not use hot water! Cryogenic burns which result in blistering or deeper tissue freezing should be promptly seen by a physician.

IN CASE SWALLOWED: Rinse mouth with water. Drink 1-2 glasses of water or milk. Do not induce vomiting unless directed by medical personnel.

HEALTH HAZARD INFORMATION

SUMMARY OF ACUTE HAZARDS: Extreme flammability. Vapor clouds are easily ignited. Simple asphyxiant. Freeze burns.

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Oxygen deficient atmospheres may produce rapid breathing, headache, dizziness, visual disturbances, muscular weakness, tremors, narcosis, unconsciousness, and death, depending on concentration and duration of exposure.

EYE CONTACT: This gas is non-irritating, but direct contact with liquified/pressurized gas or frost particles may produce severe and possibly permanent eye damage from freeze burns.

SKIN CONTACT: Non irritating. But solid and liquid forms of this material and pressurized gas can cause freeze burns.

SWALLOWED: Solid and liquid forms of this material and the pressurized gas can cause freeze burns.

CHRONIC EFFECTS OF EXPOSURE: Personnel with pre-existing chronic respiratory diseases should avoid exposure to this material

TOXICITY DATA

ORAL: Liquid Isobutane can cause freeze burns.

DERMAL: Contact with liquid Isobutane can cause freeze burns.

INHALATION: Low hazard; simple asphyxiant.

CARCINOGENICITY: This material is not listed with N.T.P., I.A.R.C., or OSHA as a carcinogen.

OTHER DATA: None

PERSONAL PROTECTION

VENTILATION:	Well ventilated areas.
RESPIRATORY PROTECTION:	For excessive gas concentrations, use only NIOSH/MSHA-approved, self-contained breathing apparatus.
EYE PROTECTION:	Use chemical-type goggles and face shield when handling liquified gases. Safety glasses and/or a face shield are recommended when handling high-pressure cylinders and whenever vapors are discharged.
PROTECTIVE CLOTHING:	Rubber gloves and apron when significant exposure to compressed gas may occur.
OTHER PROTECTIVE MEASURES:	Emergency eye wash fountains and safety showers for first aid treatment of potential freeze burns should be available in the vicinity of any significant exposure from compressed gas release. Personnel should not enter areas where the atmosphere is below 19.5 vol. % oxygen without special procedures/equipment. Respirator use should comply with OSHA 29 CFR 1910. 134 or equivalent.

FIRE AND EXPLOSION INFORMATION

FLASH POINT, DEG F:	-117° F	FLAMMABLE LIMITS IN AIR,%: VOL IN AIR: LOWER: 1.8 UPPER: 8.4 METHOD USED: (Based upon "Isobutane")
EXTINGUISHING MEDIA:	Dry chemical, CO2 and Halogenated extinguishing agent	
SPECIAL FIRE FIGHTING PROCEDURES:	Gas fires should not be extinguished unless the gas flow can be stopped immediately. Shut off gas source and allow the fire to burn itself out. If the source cannot be shut off immediately, all equipment and surfaces exposed to the fire should be cooled with water to prevent over-heating, flash-backs, or explosions. Control fire until gas supply is used up. Firemen must use proper protective equipment including respiratory apparatus to protect against hazardous combustion products/oxygen deficiencies.	

HAZARDOUS REACTIVITY

STABILITY: Stable

POLYMERIZATION: Not expected to occur

CONDITIONS TO AVOID:

Heat, sparks, and open flames.

MATERIALS TO AVOID:

Strong acids, alkalies, and oxidizers such as chlorine (gas or liquid) and oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion may produce carbon monoxide and other harmful substances.

DISPOSAL METHODS:

DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY PLACE. KEEP AWAY FROM HEAT, SPARKS, AND FLAME.

SHIPPING PRECAUTIONS:

CONSULT D.O.T. REGULATIONS ABOUT THE SHIPMENT OF PETROLEUM GASES. D.O.T. REQUIRES USE OF RED "FLAMMABLE GAS" LABEL.

NOTICE

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